

川西南竹类二新种

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TWO NEW SPECIES OF BAMBOO FROM SOUTHWESTERN SICHUAN

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关键词 峨热竹; 马利箭竹

Key words *Bashania spanostachya*, *Fargesia mali*

峨热竹 峨热 (彝语译音, 四川会理) 新种 图 1

Bashania spanostachya Yi, sp. nov.

Species affinis *B. fangiana* (A. Camus) Keng f. et Wen*, sed laminis vaginarum erectis, magnis, planis, 5—7.5 mm latis, laminis foliorum ad 7.5 mm latis, nervis secundariis 2—3-jugis, racemis simplicibus, involucrio longissimo ad basin, spiculis 2—3; paleis saepe haud ciliatis in carinis, antheris 3.5—4.5 mm longis, stigmatibus 3 differt.

Rhizoma amphipodiale, internodiis 1.1—5.8 cm longis, 3.5—6.8 mm diam., cavis. Culmi 1—3.5 m alti, 0.6—1.2 cm diam., erecti, internodiis (8) 13—18 (24) cm longis, cylindricis sed infra medium complanatis ad latera ramifera, primo leviter farinosis, purpureo-punctulatis, vetere lutescentibus, laevis, glabris, ligno 3—4 mm crasso, medullis primo cyclicis, postremo obtritis, nodi vaginarum prominuli, glabri, nodi culmorum plani sed prominentes ad nodos ramigenum, intranodiis 1.5—3 mm altis. Gemma parva, triangulato-ovata vel linearis, margine ciliata. Rami 2—3 (4) in quoque nodo, basi adpressi, erecti, 4—22 cm longi, 1—2 mm crassi. Turiones cinereo-viridi-purpurei, vaginae culmorum persistentes, coriaceae, luteolae, triangulato-oblongae, 10—14.5 cm longae (c. 3/5 internodia aequantes), 2.5—4.2 cm latae, dorso glabrae vel cinereo-lutiolo-adpresso-setulosae, nervillis longitudinalibus conspicuis, nervillis transversis non

evolutis, margine haud ciliatae vel primo raro breviter luteolo-ciliatae; auriculae nullae, setae orales nullae vel raro 1—2 in quoque latere, erectae, cinereae, 4—6 mm longae; ligulae arcuatae, purpureae, glabrae, c. 1 mm altae; laminae erectae vel interdum erecto-patentes super culmo, planae vel nonnunquam rugulosae, 1.2—4.5 cm longae, 5—7.5 mm latae, margine laeves. Folia 2—4 in quoque ramulo; vaginae foliorum 1.7—4.2 cm longae, glabrae, margine haud ciliatae; auriculae nullae, setae orales primo 1—2 in quoque latere, erectae, 2—5 mm longae; ligulae truncatae, purpureae, glabrae, c. 0.5 mm altae; petioli glabri, 0.8—1.5 mm longi; laminae linearilanceolatae, (2.2) 3.3—6.7 cm longae, 4—7.5 mm latae, basi late cuneatae, subtus chloroticae, glabrae, nervis secundariis 2—3-jugis, nervillis transversis leviter conspicuis vel obscuris, margine dense serrulatae in latere, contra latus sparsae vel sublaeves.

Rami florum (5) 10—15 cm longi, foliati, ramificationibus secundariis tantum ad nodos bases, racemi simplices, terminales, involucreo longissimo ad basin, spiculis 2—3, axe continuo, repando, glabro. Pedicelli graciles, glabri, 2—6 mm longi (ei apicales ad 1.1 cm longi); spiculae 4—6-florae, 1.8—3 cm longae, 2—2.5 mm diam., purpureae; rhachilae articulae complanatae, 3.5—5 mm longae, c. 0.5 mm latae, albo-hispidae; glumae 2, glabrae, primae triangulato-subulatae, parvae, 1—1.6 mm longae, obscure nervatae, secundae ovato-lanceolatae, 3—9 mm longae, apice aristatae, 3—5-nervis; lemma ovato-lanceolatum, purpureum, glabrum vel albo-adpresso-hispidum 7—10 mm longum, apice aristatum, 5—7-nervis; palea 5—6.5 mm longa, 2-carinis, in carinis saepe glabra, extra carinas 1-nervis, apice bicuspidata; lodiculae 3, rhombo-lanceolatae, albae, margine ciliatae, eae anticae c. 0.8 mm longae, ea postica c. 0.4 mm longa; stamina 3, antheris purpureis, 3.5—4.5 mm longis; ovarium ellipticum, luteolum, c. 0.6 mm longum, glabrum, stylus 1, stigmata 3, plumosa,



图1 峨热巴山木竹 *Bashania spanostachya* Yi
1.地下茎; 2.秆之一段, 示宿存秆箨; 3—4 秆之一段, 示秆芽; 5.秆之一段, 示分枝; 6.箨; 7.秆; 8.叶枝; 9.花枝; 10.颖; 11.外稃; 12.内稃; 13.鳞被; 14.雄蕊; 15.雌蕊。

Fructus ignotus.

Sichuan, Huili Xian, Beimu Shan, 3200—3900 m alt., 18 May 1987, Yi Tongpei 87249 (Type in Herb. Forestry Shool of Sichuan Province).

本种近似冷箭竹 *B. fangiana* (A. Camus) Keng f. et Wen, 但箨片直立, 宽大, 平直, 宽 5—7.5 毫米; 叶片宽达 7.5 毫米, 次脉 2—3 对; 总状花序具 2—3 枚小穗, 基部有 1 枚很长的总苞; 内稃脊上通常无纤毛; 花药长 3.5—4.5 毫米; 柱头 3 枚, 易于区别。

四川: 会理县, 六华乡, 贝母山, 海拔 3200—3900 米, 生于长苞冷杉或杜鹃林下, 在阳坡因土层瘠薄, 风力大, 木竹常形成纯林, 但矮小, 高仅 50—100 厘米, 1987 年 5 月 18 日, 易同培 87249 (模式标本, 存四川省林业学校标本室)。

笋味淡, 供食用; 秆作刷把或扫帚。

马利箭竹 马利 (彝语译音, 四川会理) 新种 图 2

Fargesia mali Yi, sp. nov.

Species haec *F. lushuiensi* Hsueh et Yi affinis, sed internodiis ramificatum basi non complanatis; ramis 1—2 mm diam.; vaginis culmorum tarde deciduis, ligulis triangulato-arcuatis, laminis omnino erectis; foliis 2—3 (4) in quoque ramulo, vaginis, saepe productiis in humero apicum, laminis ad 7.5 (9) cm longis, nervis secundariis 2—3-jugis differt.

Colla culmorum 3—8 cm longa, 1.2—2 cm crassa. Culmi dense caespitosi, 3—6 m alti, 1.2—2.5 cm diam., apice erecti; internodiis 25—30 (38) cm longis, basi 6—7 cm longis, tubularibus, glabris, cereis, vetere cinereis, dilute porcatis, muro culmi 3—4 mm crasso, medullis obtritis; nodi vaginarum prominentes, primo sursum luteolo-brunneo-adpresso-setulosi; nodi culmorum plani sed ad nodos ramigenum leviter tumidi; intranodiis 2—4 mm altis. Gemma triangulato-ovata, gracilis, prope marginem pubescens, margiciliata. Rami 10—15 in quoque nodo, erecto-patentes, 18—67 cm longi, 1—2 mm crassi. Vaginae culmorum tarde deciduae, cinereae vel cinereo-brunneae, coriaceae, longe triangulatae, 20—

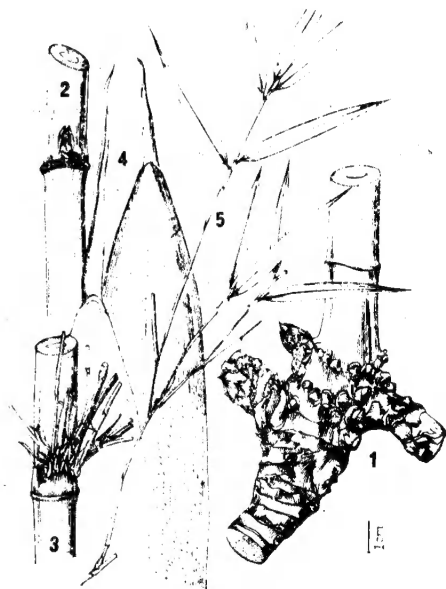


图 2 马利箭竹 *Fargesia mali* Yi

1. 地下茎及秆之基部; 2. 秆之一段, 示秆芽; 3. 秆之一段, 示分枝; 4. 秆箨; 5. 具叶小枝。

30 cm longae (c. 4/5 internodia aequantes), 3.7—7.2 cm latae, apice breviter triangulatae, 6—10 mm latae, dorso sparse luteolo-tuberculato-setulosae, nervillis longitudinalibus conspicuis, nervillis transversis non evolutis, margine primo luteolo-ciliatae; auriculae et setae orales nullae; ligulae triangulato-arcuatae, purpureae, margine repandae, c. 1 mm altae; laminae erectae, non facile deciduae, longe triangulatae, 1.5—12 cm longae, 5—7 mm latae, bases latitudine apices vaginarum aequantes, glabrae, involutae, margine laeves. Folia 2—3(4) in quoque ramulo; vaginae foliorum 2.5—3.5 cm longae, saepe productae in humero apicum, glabrae, margine haud ciliatae; auriculae et setae orales nullae; ligulae truncatae, purpureae, c. 0.5 mm altae; petioli 1—1.5 mm longi; laminae lineari-lanceolatae, 5—7.5(9) cm longae, 4—7 mm latae, basi cuneatae, dorso chloroticae, glabrae, nervis secundariis 2—3-jugis, nervillis transversis conspicuioribus, margine piloso-serrulatae in latere, contra latus sublaeves. Inflorescentia incognita.

Sichuan, Huili Xian, Beimu Shan, 3000—3200 m alt., 18 May 1987, Yi Tongpei 87250 (Type in Herb. Forestry School of Sichuan Province).

本种与泸水箭竹 *F. lushuiensis* Hsueh et Yi 相似, 但前者分枝节间基部不扁平; 枝条直径 1—2 毫米; 箨鞘迟落, 箨舌三角状弧形, 箨片全为直立; 小枝具叶 2—3(4) 枚, 叶鞘顶端一肩常高起, 叶片长达 7.5(9), 宽达 7 毫米, 次脉 2—3 对, 容易区别。

四川: 会理县, 六华乡, 贝母山, 猪槽梁子沟, 海拔 3000—3200 米, 生于山坡中部长苞冷杉林下, 1987 年 5 月 18 日, 易同培 87250 (模式标本, 存四川省林业学校标本室)。

秆可供编织, 但篾性较脆。